Application No.: NEW Docket No.: 4600-0126PUS1

AMENDMENTS TO THE CLAIMS

 (Original) 3'-end nucleoside unit comprising phosphoramidite that is a compound represented by the following formula:

$$(N)-O-(R1)Si(R2)-(C_6H_4)-(CH_2)n-O-P(OR3)N(R4)(R5)$$
 (I)

wherein (N) represents any nucleoside or its derivative, each of R1, R2, R4 and R5 is an alkyl or aryl group, R3 is a phosphate-protecting group, and n is an integer of from 1 to 5.

- 2. (Original) The compound according to Claim 1 wherein R1 and R2 are an alkyl group having 1 to 5 carbon atoms.
- 3. (Original) The compound according to Claim 1 wherein the aryl group of R1 and R2 has a substituent of alkyl, nitro, cyano, halogeno or methoxy group.
- 4. (Original) The compound according to any one of Claims 1 to 3 wherein the phosphate-protecting group is 2-cyanoethyl, 4-nitrophenyethyl, N-(trifluoroacetyl)aminobutyl, or 4-[N-methyl-N-(2,2,2-trifluoroacetyl)amino]butyl group.
- (Original) The compound according to Claim 4 wherein the phosphate-protecting group is
 2-cyanoethyl.
- 6. (Currently amended) The compound according to any one of Claims 1 to 5 Claim 1 wherein R4 and R5 are an alkyl having 1 to 4 carbon atoms, benzyl, phenyl, or naphthyl group.
- 7. (Original) The compound according to Claim 6 wherein R4 and R5 are an isopropyl group.
- 8. (Currently amended) The compound according to any one of Claims 1 to 7 Claim 1 wherein a benzene ring structure has a substituent.

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9. (Original) The compound according to Claim 8 wherein the substituent of the benzene ring structure is selected from the group consisting of alkyl having 1 to 4 carbon atoms, halogeno, nitro, cyano and methoxy groups.

- 10. (Original) The compound according to Claim 1, which is 5'-[O-(4,4'-dimethoxytrityl)], 3'-O-[4-O-(2-cyanoethyl N,N-diisopropyl phosphoramidite) benzyl-diisopropylsilyl]thymidine.
- 11. (Original) The compound according to Claim 1, which is 5'-[O-(4,4'-dimethoxytrityl)], 3'-O-[4-O-(2-cyanoethyl N,N-diisopropyl phosphoramidite) benzyl-diisopropylsilyl]2'-deoxyadenosine.
- 12. (Currently amended) A solid-phase support having the 3'-end nucleoside unit according to any one of Claims 1 to 11 claim 1 introduced thereon.
- 13. (Original) The solid-phase support according to Claim 12 having the 3'-end nucleoside unit at a ratio of 20-30 μ mol/g.
- 14. (Currently amended) The solid-phase support according to Claim 12 or 13, which is HCP solid-phase support.
- 15. (Currently amended) A method for the synthesis of a nucleic acid oligomer with the use of the solid-phase support according to Claim 12, 13 or 14.
- 16. (Original) The method according to Claim 15, which is a phosphoramidite one with the use of an activating agent comprising an alcohol-type compound, or a mixture of the alcohol-type compound and an acid catalyst.

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